

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Tsutomu NAITO et al.

Attn: PCT Branch

Application No. New U.S. National Stage of PCT/JP04/007498

Filed: December 13, 2005

Docket No.: 125739

For: PRESS-FIT TERMINAL, PRINTED BOARD CONNECTION STRUCTURE
USING THE PRESS-FIT TERMINAL, AND ELECTRICAL CONNECTION BOX

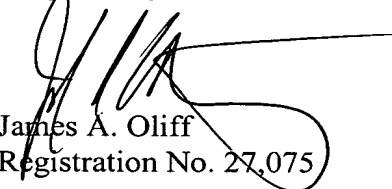
**TRANSLATION OF THE ANNEXES TO THE
INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a translation of the annexes to the International Preliminary Examination Report (Form PCT/IPEA/409). The attached translated material replaces claim 1.

Respectfully submitted,


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Amended claims under Article 34

Claim 1. (Amended) A press fit terminal for electrically connecting electric conductors of printed boards spaced at an interval to each other, electric
5 conductors of said printed boards and bus bars to each other or said bus bars to each other,

wherein said press fit terminal is formed by bending a rod-shaped material made of conductive metal and has a long first vertical part, a horizontal part bent at a lower end
10 of said first vertical part and extended in parallel with said printed boards or said bus bars, and a short second vertical part bent upward at a leading end of said horizontal part and extended in confrontation with said first vertical part; and

15 an upper portion of said first vertical part is set as a press fit portion to be pressed into a terminal hole of said printed board or a terminal hole of said bus bar disposed at an upper position, and an upper portion of said second vertical part is set as a press fit portion to be
20 pressed into a terminal hole of said printed board or a terminal hole of said bus bar disposed at a lower position.

Claim 2. (Original) The construction of connecting printed boards by using a press fit terminal, wherein by using a press fit terminal according to claim 1, forming a
25 conductive layer connected with an electric conductor on an

inner peripheral surface of a terminal hole of each of said printed boards, and pressing said press fit portions of said press fit terminal into said terminal holes, said press fit terminal is electrically connected with said electric
5 conductors of said printed boards.

Claim 3. (Original) The construction of connecting printed boards by using a press fit terminal according to claim 2, wherein in said printed boards, a peripheral portion of said upper printed board is projected outward
10 beyond a peripheral portion of said lower printed board, and said electric conductors, provided with said terminal holes respectively, are arranged side by side on said upper and lower printed boards along peripheries thereof;

a plurality of said press fit terminals are arranged
15 in a row along said peripheral portions of said printed boards, and with a first vertical part of each of said press fit terminals disposed outside and a second vertical part thereof disposed inside, said press fit terminals are pressed into said terminal holes of said upper and lower
20 printed boards from below in such a way that said press fit portion of said second vertical part of each press fit terminal is pressed into and brought into contact with one of said terminal holes formed on said periphery of said lower printed board and that said press fit portion of said
25 first vertical parts of each press fit terminal is pressed

into and brought into contact with one of said terminal holes formed on said periphery of said upper printed board.

Claim 4. (Original) The construction of connecting printed boards by using a press fit terminal according to claim 2, wherein said printed boards have an equal size; a cut-off portion through which said first vertical part of said press fit terminal is inserted is formed on said lower printed board; and electric conductors having said terminal holes formed thereon respectively are arranged side by side along said peripheries of said upper and lower printed boards or said cut-off portions,

a plurality of said press fit terminals are arranged in a row along said peripheral portions of said printed boards, and with a first vertical part of each of said press fit terminals disposed outside and a second vertical part thereof disposed inside, said press fit terminals are pressed into said terminal holes of said upper and lower printed boards from below in such a way that said press fit portion of said second vertical part of each press fit terminal is pressed into and brought into contact with one of said terminal holes formed on said periphery of said lower printed board, that a lower portion of said press fit portion of said first vertical part of each of said press fit terminals is inserted through said cut-off portion, and that each of said press fit portions is pressed into and

brought into contact with one of said terminal holes formed on said periphery of said upper printed board.

Claim 5.(Original) The electric junction box accommodating printed boards connected to each other with
5 press fit terminals according to claim 3 or 4, wherein a horizontal part of each of said press fit terminals is supported with a stepwise part projected from a bottom wall of a printed board holding case or a stepwise part projected from a partitioning wall formed inside said electric
10 junction box; and said printed boards are supported with a supporting rib projected from said bottom wall of said printed board holding case or a supporting rib projected from said partitioning wall formed inside said electric junction box.